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# FIG. 1A

5'	GAC	GCG	TGG	GCG	CGG	AGG	CGC	TGG	GCG	CAC	GGC	GCG	GAG	CCG	GCC	GGA	GCT	CGA	56
	D	A	W	A	R	R	R	W	A	H	G	A	E	P	A	G	A	R	
	GGC	CGG	CGG	CGG	CGG	GAG	AGC	GAC	CCG	GGC	GGC	CTC	GTA	GCG	GGG	CCC	CGG	ATC	110
	G	R	R	R	R	E	S	D	P	G	G	L	V	A	G	P	R	I	
	CCC	GAG	TGG	CGG	CCG	GAG	CCT	CGA	AAA	GAG	ATT	CTC	AGC	GCT	GAT	TTT	GAG	ATG	164
	P	E	W	R	P	E	P	R	K	E	I	L	S	A	D	F	E	M	
	ATG	GGC	TTG	GGA	AAC	GGG	CGT	CGC	AGC	ATG	AAG	TCG	CCG	CCC	CTC	GTG	CTG	GCC	218
	M	G	L	G	N	G	R	R	S	M	K	S	P	P	L	V	L	A	
	GCC	CTG	GTG	GCC	TGC	ATC	ATC	GTC	TTG	GGC	TTC	AAC	TAC	TGG	ATT	GCG	AGC	TCC	272
	A	L	V	A	C	I	I	V	L	G	F	N	Y	W	I	A	S	S	
	CGG	AGC	GTG	GAC	CTC	CAG	ACA	CGG	ATC	ATG	GAG	CTG	GAA	GGC	AGG	GTC	CGC	AGG	326
	R	S	V	D	L	Q	T	R	I	M	E	L	E	G	R	V	R	R	
	GCG	GCT	GCA	GAG	AGA	GGC	GCC	GTG	GAG	CTG	AAG	AAG	AAC	GAG	TTC	CAG	GGA	GAG	380
	A	A	A	E	R	G	A	V	E	L	K	K	N	E	F	Q	G	E	
	CTG	GAG	AAG	CAG	CGG	GAG	CAG	CTT	GAC	AAA	ATC	CAG	TCC	AGC	CAC	AAC	TTC	CAG	434
	L	E	K	Q	R	E	Q	L	D	K	I	Q	S	S	H	N	F	Q	
	CTG	GAG	AGC	GTC	AAC	AAG	CTG	TAC	CAG	GAC	GAA	AAG	GCG	GTT	TTG	GTG	AAT	AAC	488
	L	E	S	V	N	K	L	Y	Q	D	E	K	A	V	L	V	N	N	
	ATC	ACC	ACA	GGT	GAG	AGG	CTC	ATC	CGA	GTG	CTG	CAA	GAC	CAG	TTA	AAG	ACC	CTG	542
	I	T	T	G	E	R	L	I	R	V	L	Q	D	Q	L	K	T	L	
	CAG	AGG	AAT	TAC	GGC	AGG	CTG	CAG	CAG	GAT	GTC	CTC	CAG	TTT	CAG	AAG	AAC	CAG	596
	Q	R	N	Y	G	R	L	Q	Q	D	V	L	Q	F	Q	K	N	Q	
	ACC	AAC	CTG	GAG	AGG	AAG	TTC	TCC	TAC	GAC	CTG	AGC	CAG	TGC	ATC	AAT	CAG	ATG	650
	T	N	L	E	R	K	F	S	Y	D	L	S	Q	C	I	N	Q	M	

# FIG. 1B

659			668			677			686			695			704		
AAG	GAG	GTG	AAG	GAA	CAG	TGT	GAG	GAG	CGA	ATA	GAA	GAG	GTC	ACC	AAA	AAG	GGG
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
K	E	V	K	E	Q	C	E	E	R	I	E	E	V	T	K	K	G
713			722			731			740			749			758		
AAT	GAA	GCT	GTA	GCT	TCC	AGA	GAC	CTG	AGT	GAA	AAC	AAC	GAC	CAG	AGA	CAG	CAG
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
N	E	A	V	A	S	R	D	L	S	E	N	N	D	Q	R	Q	Q
767			776			785			794			803			812		
CTC	CAA	GCC	CTC	AGT	GAG	CCT	CAG	CCC	AGG	CTG	CAG	GCA	GCA	GGC	CTG	CCA	CAC
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
L	Q	A	L	S	E	P	Q	P	R	L	Q	A	A	G	L	P	H
821			830			839			848			857			866		
ACA	GAG	GTG	CCA	CAA	GGG	AAG	GGA	AAC	GTG	CTT	GGT	AAC	AGC	AAG	TCC	CAG	ACA
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T	E	V	P	Q	G	K	G	N	V	L	G	N	S	K	S	Q	T
875			884			893			902			911			920		
CCA	GCC	CCC	AGT	TCC	GAA	GTG	GTT	TTG	GAT	TCA	AAG	AGA	CAA	GTT	GAG	AAA	GAG
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P	A	P	S	S	E	V	V	L	D	S	K	R	Q	V	E	K	E
929			938			947			956			965			974		
GAA	ACC	AAT	GAG	ATC	CAG	GTG	GTG	AAT	GAG	GAG	CCT	CAG	AGG	GAC	AGG	CTG	CCG
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
E	T	N	E	I	Q	V	V	N	E	E	P	Q	R	D	R	L	P
983			992			1001			1010			1019			1028		
CAG	GAG	CCA	GGC	CGG	GAG	CAG	GTG	GTG	GAA	GAC	AGA	CCT	GTA	GGT	GGA	AGA	GGC
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Q	E	P	G	R	E	Q	V	V	E	D	R	P	V	G	G	R	G
1037			1046			1055			1064			1073			1082		
TTC	GGG	GGA	GCC	GGA	GAA	CTG	GGC	CAG	ACC	CCA	CAG	GTG	CAG	GCT	GCC	CTG	TCA
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
F	G	G	A	G	E	L	G	Q	T	P	Q	V	Q	A	A	L	S
1091			1100			1109			1118			1127			1136		
GTG	AGC	CAG	GAA	AAT	CCA	GAG	ATG	GAG	GGC	CCT	GAG	CGA	GAC	CAG	CTT	GTC	ATC
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
V	S	Q	E	N	P	E	M	E	G	P	E	R	D	Q	L	V	I
1145			1154			1163			1172			1181			1190		
CCC	GAC	GGA	CAG	GAG	GAG	GAG	CAG	GAA	GCT	GCC	GGG	GAA	GGG	AGA	AAC	CAG	CAG
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
P	D	G	Q	E	E	E	Q	E	A	A	G	E	G	R	N	Q	Q
1199			1208			1217			1226			1235			1244		
AAA	CTG	AGA	GGA	GAA	GAT	GAC	TAC	AAC	ATG	GAT	GAA	AAT	GAA	GCA	GAA	TCT	GAG
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
K	L	R	G	E	D	D	Y	N	M	D	E	N	E	A	E	S	E
1253			1262			1271			1280			1289			1298		
ACA	GAC	AAG	CAA	GCA	GCC	CTG	GCA	GGG	AAT	GAC	AGA	AAC	ATA	GAT	GTT	TTT	AAT
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
T	D	K	Q	A	A	L	A	G	N	D	R	N	I	D	V	F	N

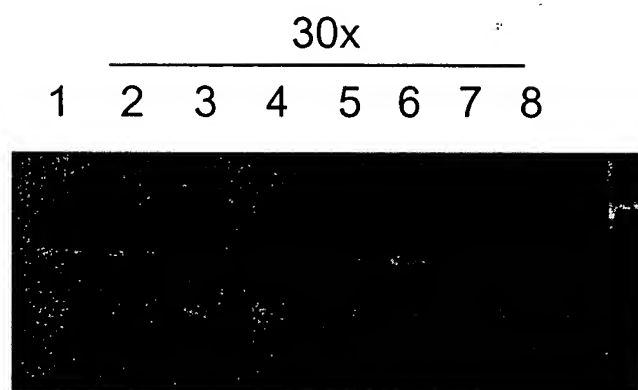
# FIG. 1C

1307	1316	1325	1334	1343	1352
GTT GAA GAT CAG AAA AGA GAC ACC ATA AAT TTA CTT GAT CAG CGT GAA AAG CGG					
---	---	---	---	---	---
V E D Q K R D T I N L L D Q R E K R					
1361	1370	1379	1388	1397	1406
AAT CAT ACA CTC TGA ATT GAA CTG GAA TCA CAT ATT TCA CAA CAG GGC CGA AGA					
---	---	---	---	---	---
N H T L *					
1415	1424	1433	1442	1451	1460
GAT GAC TAT AAA ATG TTC ATG AGG GAC TGA ATA CTG AAA ACT GTG AAA TGT ACT					
---	---	---	---	---	---
1469	1478	1487	1496	1505	1514
AAA TAA AAT GTA CAT CTG AAG ATG ATT ATT GTG AAA TTT TAG TAT GCA CTT TGT					
---	---	---	---	---	---
1523	1532	1541	1550	1559	1568
GTA GGA AAA AAT GGA ATG GTC TTT TAA ACA GCT TTT GGG GGG TAC TTT GGA AGT					
---	---	---	---	---	---
1577	1586	1595	1604	1613	1622
GTC TAA TAA GGT GTC ACA ATT TTT GGT AGT AGG TAT TTC GTG AGA AGT TCA ACA					
---	---	---	---	---	---
1631	1640	1649	1658	1667	1676
CCA AAA CTG GAA CAT AGT TCT CCT TCA AGT GTT GGC GAC AGC GGG GCT TCC TGA					
---	---	---	---	---	---
1685	1694	1703	1712	1721	1730
TTC TGG AAT ATA ACT TTG TGT AAA TTA ACA GCC ACC TAT AGA AGA GTC CAT CTG					
---	---	---	---	---	---
1739	1748	1757	1766	1775	1784
CTG TGA AGG AGA GAC AGA GAA CTC TGG GTT CCG TCG TCC TGT CCA CGT GCT GTA					
---	---	---	---	---	---
1793	1802	1811	1820	1829	1838
CCA AGT GCT GGT GCC AGC CTG TTA CCT GTT CTC ACT GAA AAG TCT GGC TAA TGC					
---	---	---	---	---	---
1847	1856	1865	1874	1883	1892
TCT TGT GTA GTC ACT TCT GAT TCT GAC AAT CAA TCA ATC AAT GGC CTA GAG CAC					
---	---	---	---	---	---
1901	1910	1919	1928	1937	1946
TGA CTG TTA ACA CAA ACG TCA CTA GCA AAG TAG CAA CAG CTT TAA GTC TAA ATA					
---	---	---	---	---	---
1955	1964	1973	1982	1991	2000
CAA AGC TGT TCT GTG TGA GAA TTT TTT AAA AGG CTA CTT GTA TAA TAA CCC TTG					
---	---	---	---	---	---
2009	2018	2027	2036	2045	2054
TCA TTT TTA ATG TAC AAA ACG CTA TTA AGT GGC TTA GAA TTT GAA CAT TTG TGG					
---	---	---	---	---	---
2063	2072	2081	2090	2099	2108
TCT TTA TTT ACT TTG CTT CGT GTG TGG GCA AAG CAA CAT CTT CCC TAA ATA TAT					
---	---	---	---	---	---
2117	2126	2135	2144	2153	2162
ATT ACC AAG AAA AGC AAG AAG CAG ATT AGG TTT TTG ACA AAA CAA ACA GGC CAA					
---	---	---	---	---	---
2171	2180	2189	2198	2207	2216
AAG GGG GCT GAC CTG GAG CAG AGC ATG GTG AGA GGC AAG GCA TGA GAG GGC AAG					
---	---	---	---	---	---
2225	2234	2243	2252	2261	2270
TTT GTT GTG GAC AGA TCT GTG CCT ACT TTA TTA CTG GAG TAA AAG AAA ACA AAG					
---	---	---	---	---	---
2279	2288	2297	2306	2315	2324
TTC ATT GAT GTC GAA GGA TAT ATA CAG TGT TAG AAA TTA GGA CTG TTT AGA AAA					
---	---	---	---	---	---

# FIG. 1D

2333	2342	2351	2360	2369	2378
ACA GGA ATA CAA TGG TTG TTT TTA TCA TAG TGT ACA CAT TTA GCT TGT GGT AAA					
---	---	---	---	---	---
2387	2396	2405	2414	2423	2432
TGA CTC ACA AAA CTG ATT TTA AAA TCA AGT TAA TGT GAA TTT TGA AAA TTA CTA					
---	---	---	---	---	---
2441	2450	2459	2468	2477	2486
CTT AAT CCT AAT TCA CAA TAA CAA TGG CAT TAA GGT TTG ACT TGA GTT GGT TCT					
---	---	---	---	---	---
2495	2504	2513	2522	2531	2540
TAG TAT TAT TTA TGG TAA ATA GGC TCT TAC CAC TTG CAA ATA ACT GGC CAC ATC					
---	---	---	---	---	---
2549	2558	2567	2576	2585	2594
ATT AAT GAC TGA CTT CCC AGT AAG GCT CTC TAA GGG GTA AGT AGG AGG ATC CAC					
---	---	---	---	---	---
2603	2612	2621	2630	2639	2648
AGG ATT TGA GAT GCT AAG GCC CCA GAG ATC GTT TGA TCC AAC CCT CTT ATT TTC					
---	---	---	---	---	---
2657	2666	2675	2684	2693	2702
AGA GGG GAA AAT GGG GCC TAG AAG TTA CAG AGC ATC TAG CTG GTG CGC TGG CAC					
---	---	---	---	---	---
2711	2720	2729	2738	2747	2756
CCC TGG CCT CAC ACA GAC TCC CGA GTA GCT GGG ACT ACA GGC ACA CAG TCA CTG					
---	---	---	---	---	---
2765	2774	2783	2792	2801	2810
AAG CAG GCC CTG TTT GCA ATT CAC GTT GCC ACC TCC AAC TTA AAC ATT CTT CAT					
---	---	---	---	---	---
2819	2828	2837	2846	2855	2864
ATG TGA TGT CCT TAG TCA CTA AGG TTA AAC TTT CCC ACC CAG AAA AGG CAA CTT					
---	---	---	---	---	---
2873	2882	2891	2900	2909	2918
AGA TAA AAT CTT AGA GTA CTT TCA TAC TCT TCT AAG TCC TCT TCC AGC CTC ACT					
---	---	---	---	---	---
2927	2936	2945	2954	2963	2972
TTG AGT CCT CCT TGG GGT TGA TAG GAA TTT TCT CTT GCT TTC TCA ATA AAG TCT					
---	---	---	---	---	---
2981	2990	2999	3008	3017	3026
CTA TTC ATC TCA TGT TTA ATT TGT ACG CAT AGA ATT GCT GAG AAA TAA AAT GTT					
---	---	---	---	---	---
3035	3044	3053			
CTG TTC AAC TTA AAA AAA AAA AAA AAA 3'					
---	---	---	---	---	---

**FIG. 2A**



**FIG. 2B**

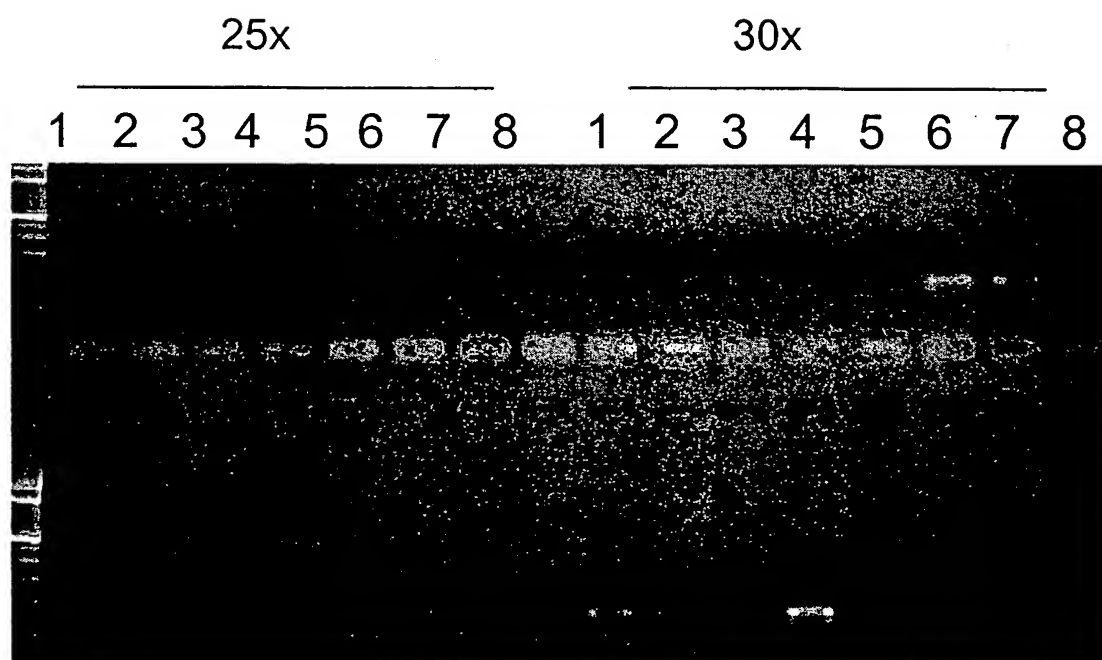


FIG. 3A

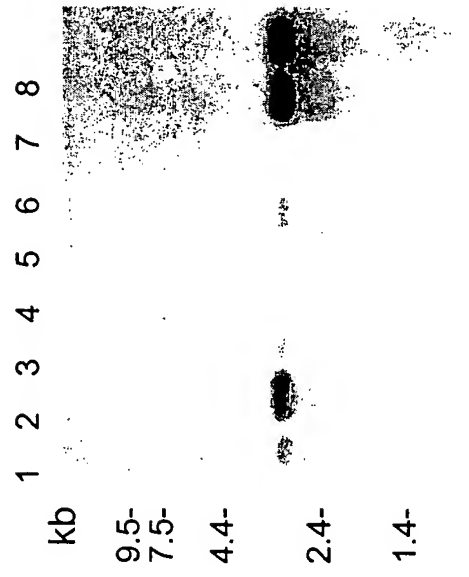


FIG. 3B

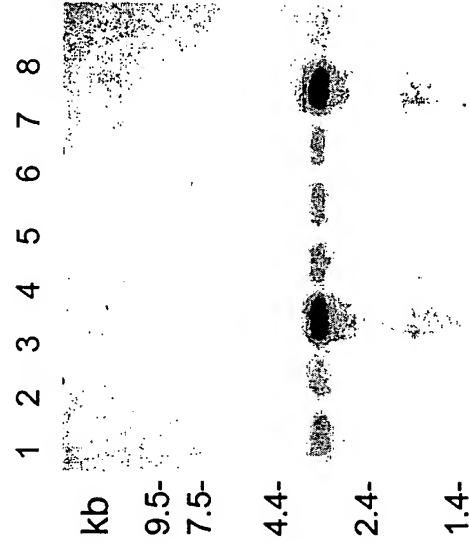


FIG. 3C

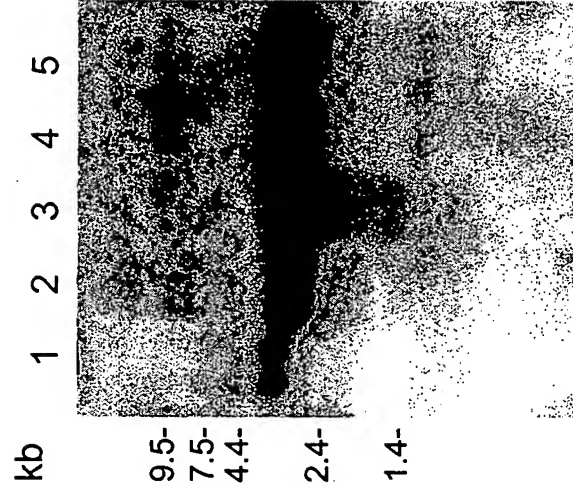


FIG. 4A

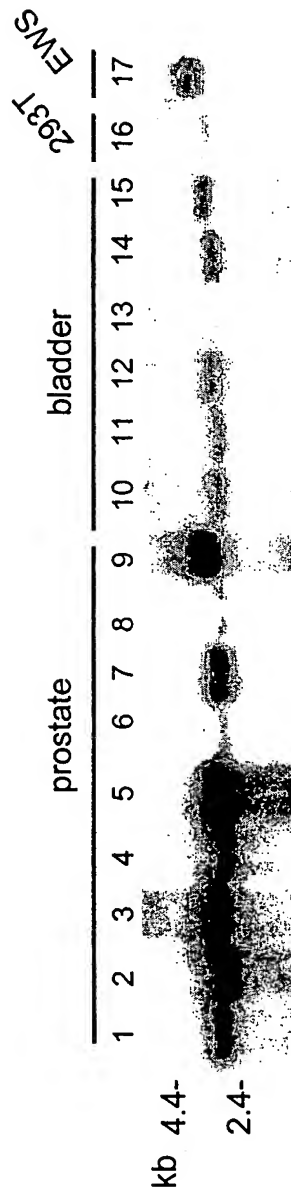


FIG. 4B

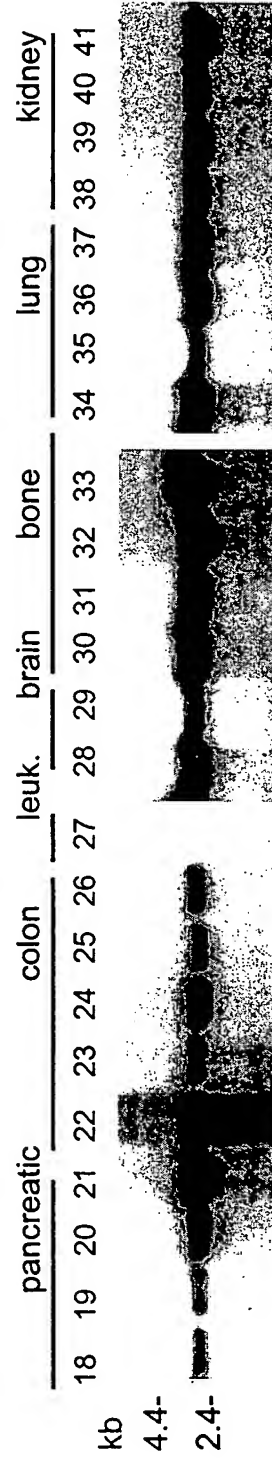
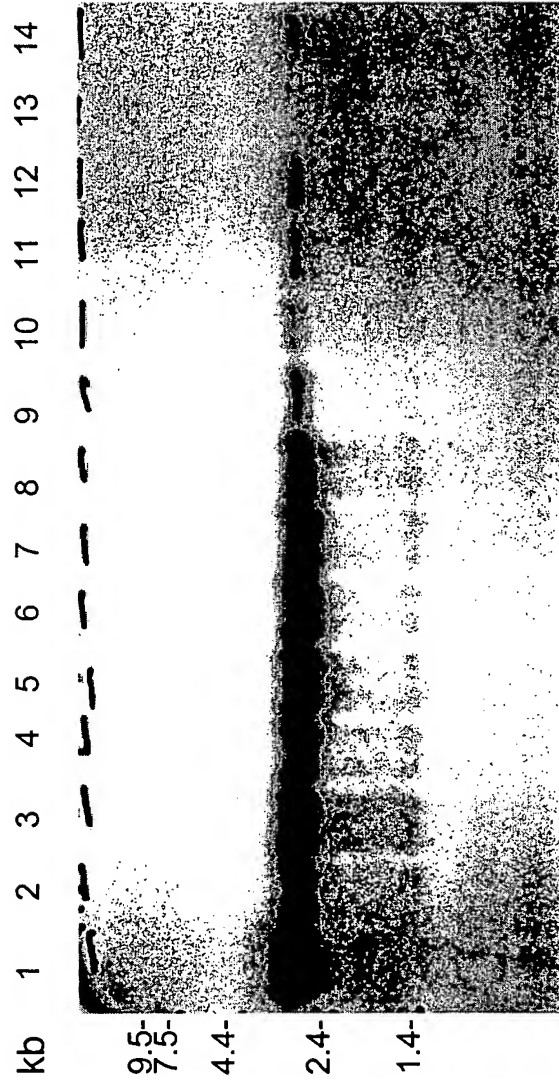
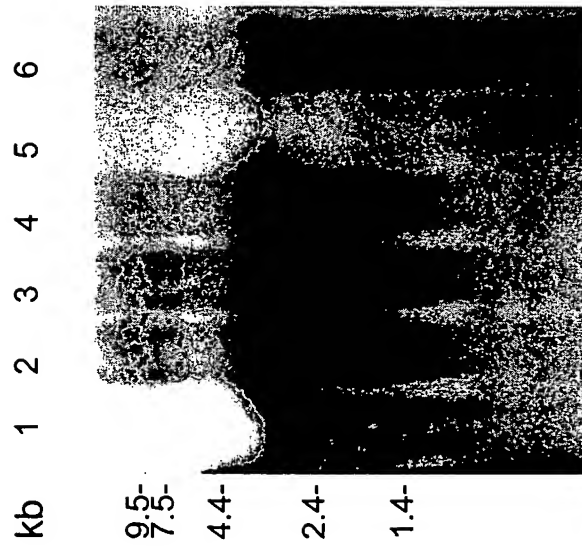




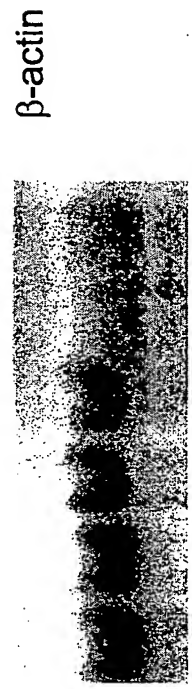
FIG. 5



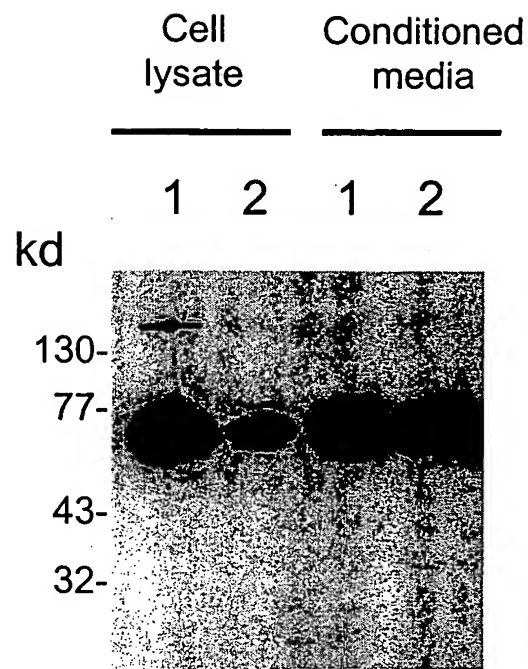
**FIG. 6A**



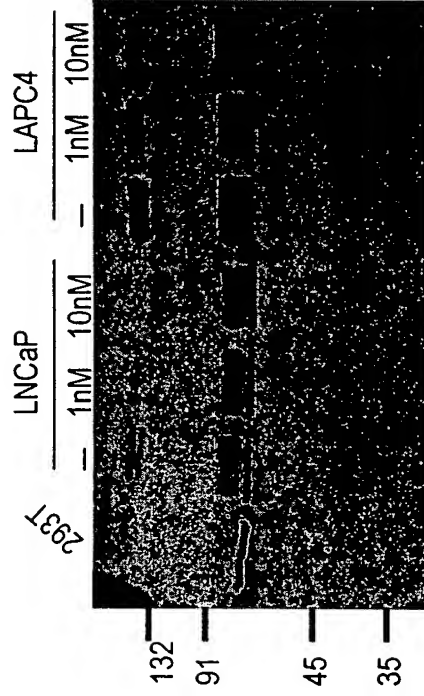
**FIG. 6B**



**FIG. 7**

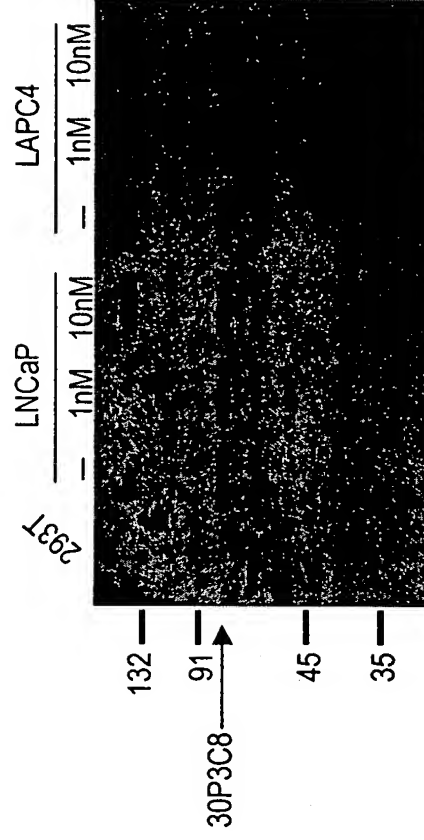


**FIG. 8A**



Whole cell lysates

**FIG. 8B**



Supernatants

**FIG. 9**

